

DBPK0638B2S-P001 AVC 12VDC 60x60x38mm Axial Fan Datasheet



Brand: AVC

SKU: [849141295430](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/dbpk0638b2s-p001-avc-12vdc-60x60x38mm-axial-fan>

Product Description

The AVC DBPK0638B2S-P001 is a high-performance DC axial fan engineered for mission-critical thermal management in dense electronic enclosures. Operating at a rated voltage of 12VDC with a significant current draw of 3.00A, this unit delivers exceptional static pressure capabilities required to overcome high system impedance. The architecture incorporates a robust dual ball bearing system designed to sustain high rotational speeds while maintaining structural rigidity under thermal stress. Its aerodynamic impeller design optimizes airflow efficiency, reducing turbulence-induced noise while maximizing heat dissipation in restricted spaces. The 60x60x38mm form factor ensures compatibility with standard 1U and 2U server rack configurations, providing reliable cooling for high-TDP components.

Model Number: DBPK0638B2S-P001

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 3.00 A

Power Consumption: 36.00 W

Dimensions: 60 x 60 x 38 mm

Bearing Type: Dual Ball Bearing

Rotational Speed: 12000 RPM (Estimated)
Max. Air Flow: 68.5 CFM (Estimated based on 3A profile)
Max. Static Pressure: 45.2 mmH₂O (Estimated)
Termination: 4-Wire (PWM Control/Tachometer)
Connector: Standard 4-Pin Server Header
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Safety Approvals: CE, TUV, UL, CUL

Designed primarily for high-density computing environments, the DBPK0638B2S-P001 excels in cooling server racks and blade servers where backpressure is significant. This model is frequently integrated into power supply units, telecommunications equipment, and industrial automation systems requiring forced air convection. The DBPK0638B2S-P001 ensures continuous operation in network switches and storage arrays, effectively managing thermal loads to prevent hardware throttling or failure in 24/7 operational cycles.

Supplemental Images

